



CRESTMoor CANYON SLOPE STABILITY PROJECT

LOCAL EMERGENCY AND REPAIR

CITY COUNCIL MEETING

Jimmy Tan, Public Works Director

January 14, 2020

Objective



To Provide Project Progress Update on the
Crestmoor Canyon Slope Stability Project



Agenda

- I. Background
- II. Project Progress
- III. Slope Stabilization Plan
- IV. Cost Estimate
- V. Project Timeline
- VI. Questions

Background



- Received call on December 2, 2019 regarding storm drain near the vacant lot at San Bruno Avenue and Glenview Avenue
- Declared local emergency due to soil erosion in Crestmoor Canyon on December 3, 2019
- At December 10, 2019 City Council meeting:
 - Ratified the Proclamation of a Local Emergency of the City Manager on December 3, 2019;
 - Waived competitive bidding requirements pursuant to State law and the San Bruno Municipal Code due to the existence of an emergency; and
 - Authorized the City Manager to execute necessary contracts to mitigate the emergency and appropriate funds from the emergency disaster reserve fund.

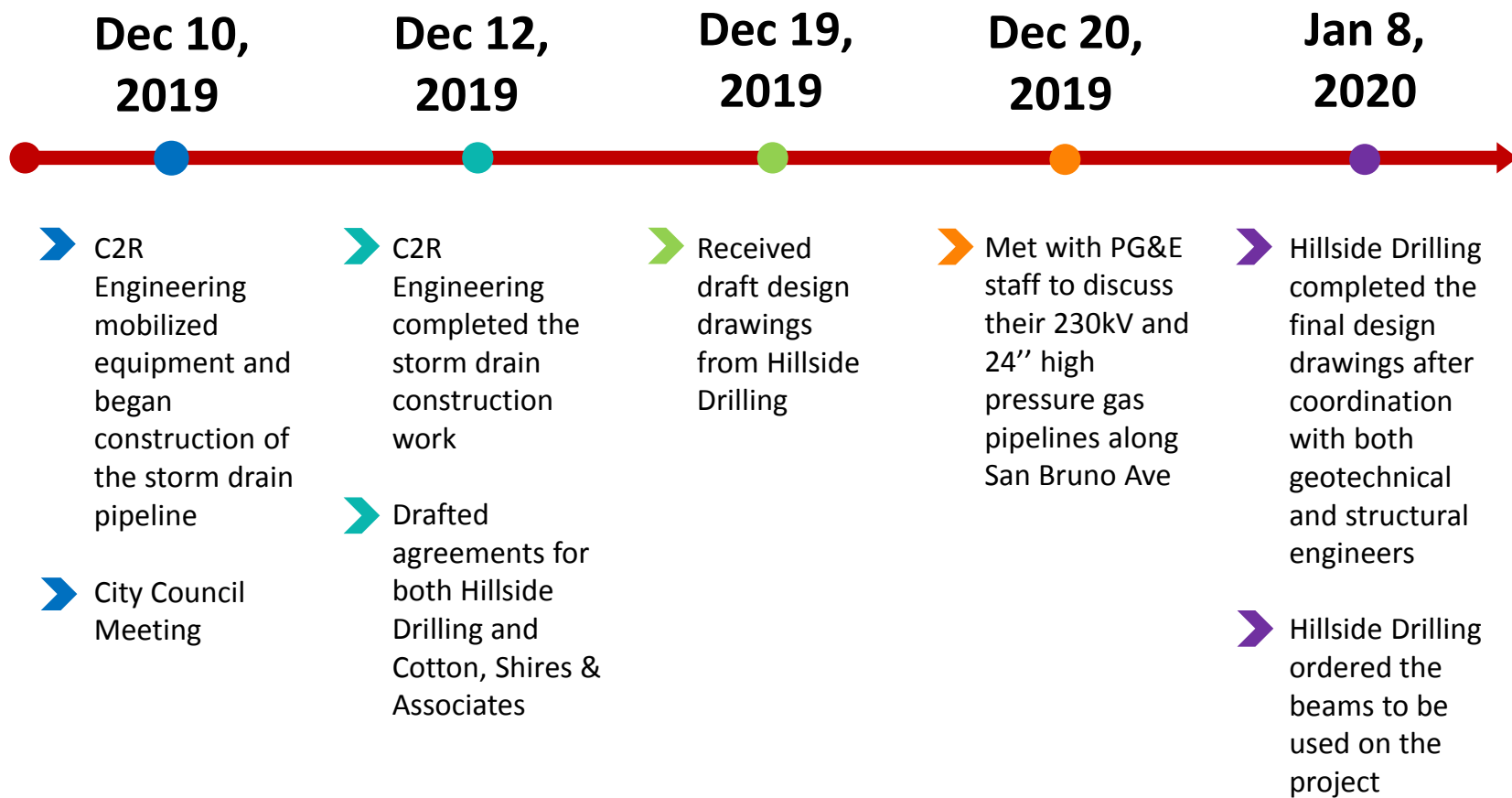


Project Progress





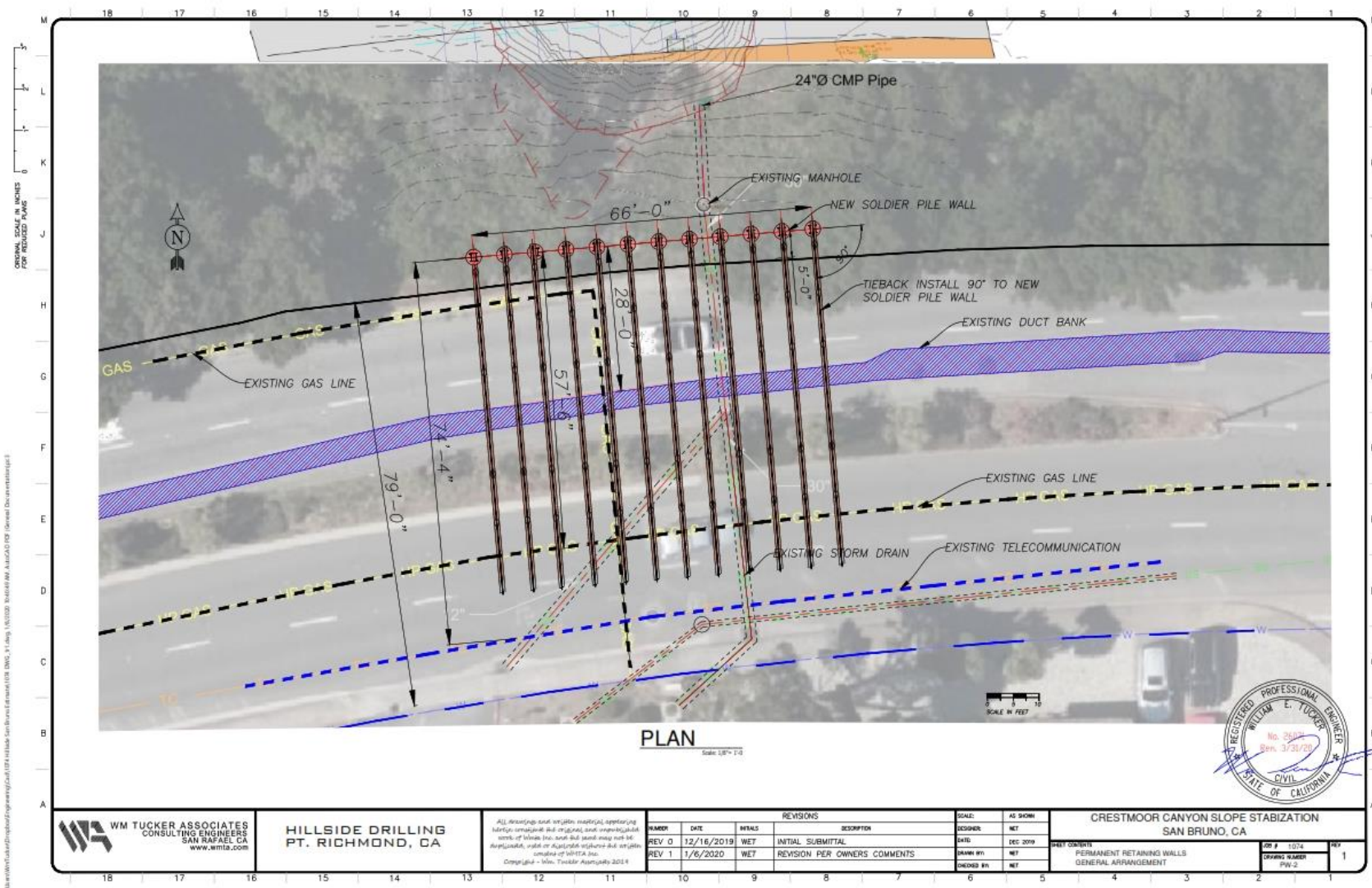
Project Progress Continued




SLOPE STABILIZATION PLAN

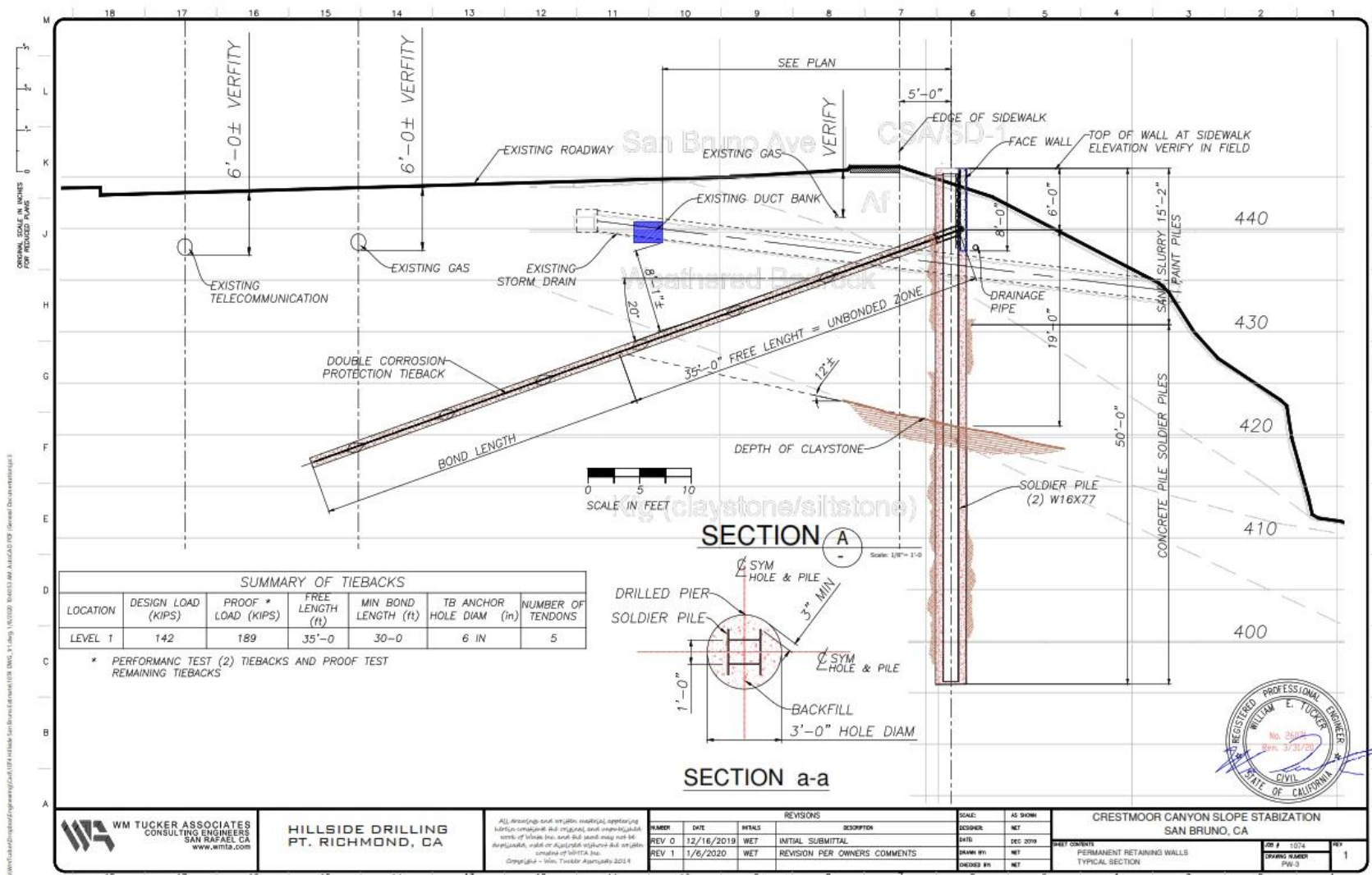


Slope Stabilization Plan



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			NUMBER	DATE	REVISIONS	DESCRIPTION	DESIGNER	NET	SHEET COMMENTS	JOB # 1074	REV
			REV 0	12/16/2019	WET	INITIAL SUBMITTAL	CHECKED BY	NET			
			REV 1	1/6/2020	WET	REVISION PER OWNERS COMMENTS	CHECKED BY	NET			
							PERMANENT RETAINING WALLS GENERAL ARRANGEMENT	DRAWING NUMBER PWS-2	1		

Slope Stabilization Plan



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REVISIONS	DATE	BY	DESCRIPTION
REV 0	12/16/2019	WET	INITIAL SUBMITTAL
REV 1	1/6/2020	WET	REVISION PER OWNERS COMMENTS

SCALE	AS SHOWN
DESIGNER	NET
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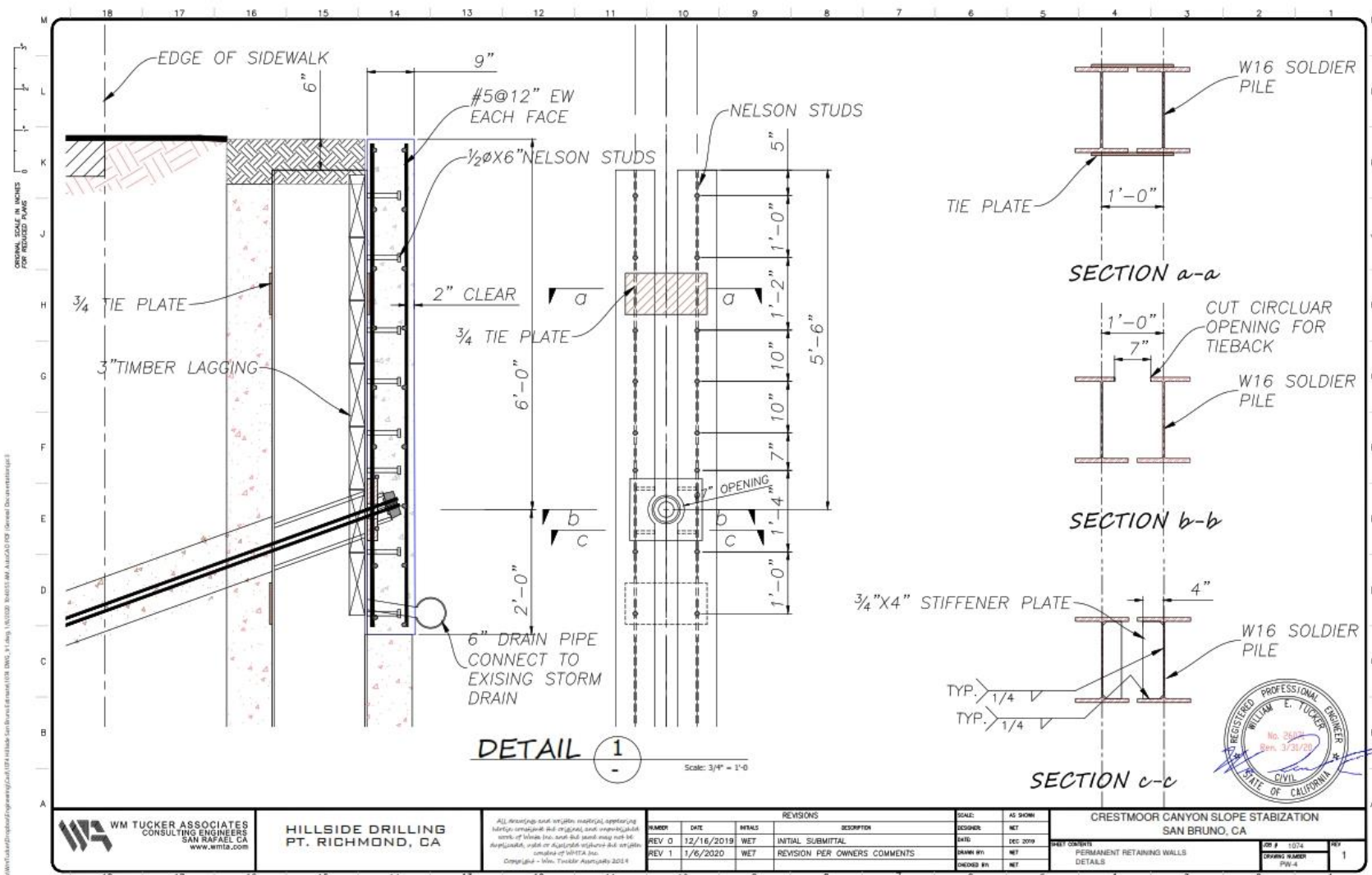
CRESTMOR CANYON SLOPE STABILIZATION
SAN BRUNO, CA

DATE	BY	DESCRIPTION
DEC 2019	NET	PERMANENT RETAINING WALLS TYPICAL SECTION


DATE	BY	DESCRIPTION
DEC 2019	NET	PERMANENT RETAINING WALLS TYPICAL SECTION



Slope Stabilization Plan

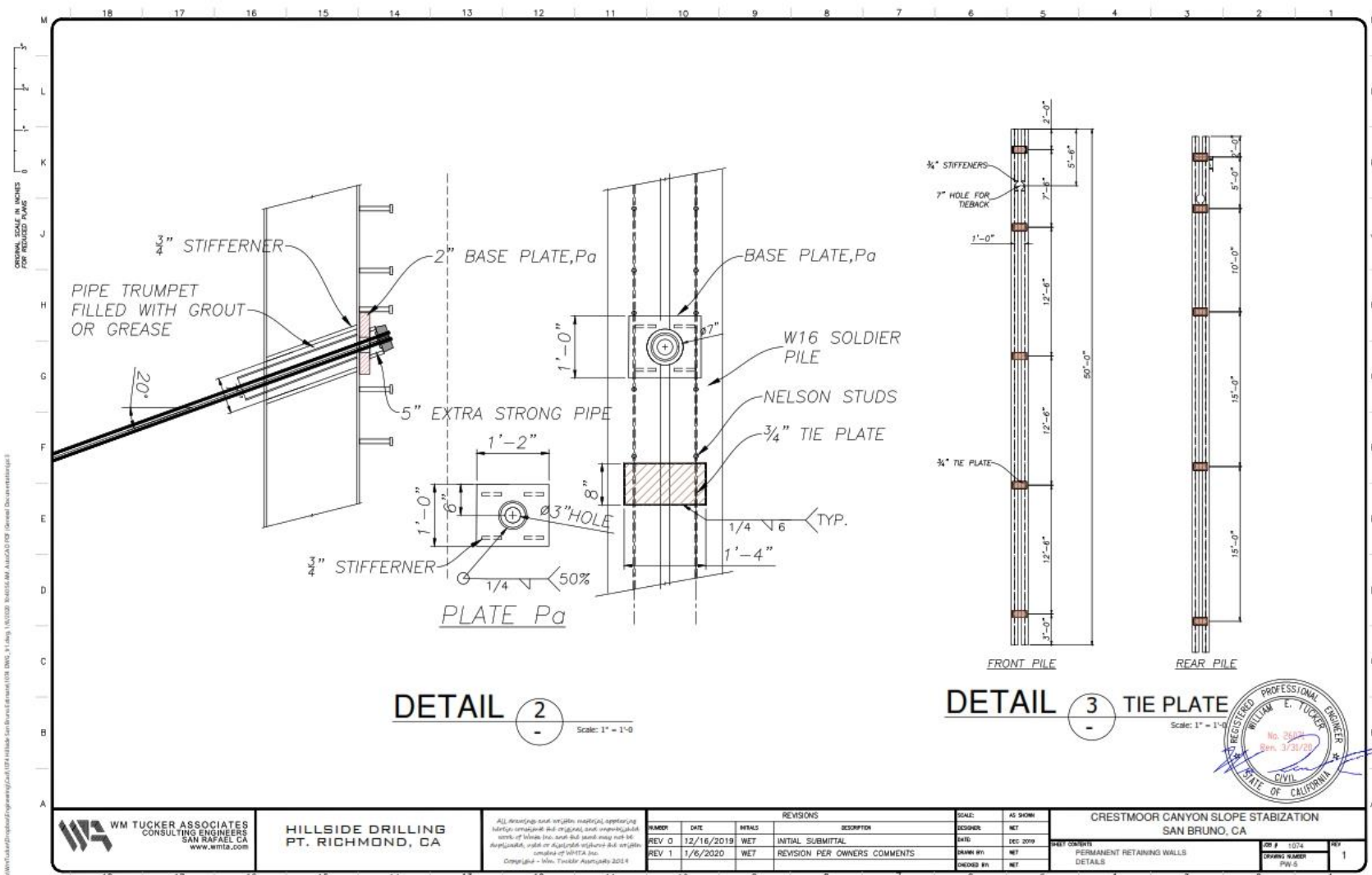


C:\Users\WmTucker\Documents\Engineering\San Bruno\San Bruno\Drawings\01 DWG_11.dwg (1/2020) 11/01/2020 11:01:01 AM AutoCAD 2019 (Serial Number: 1111111111)

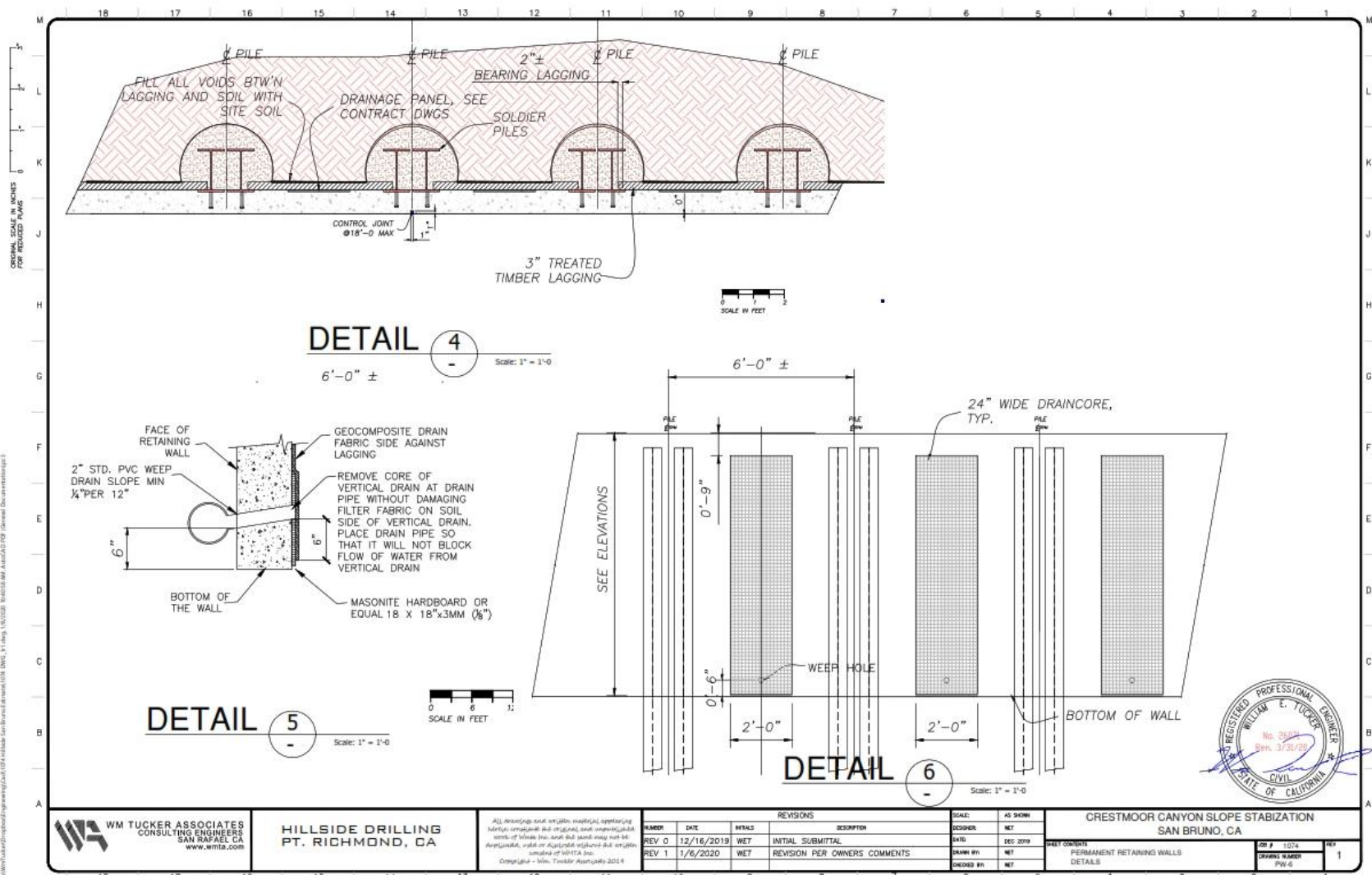
 WM TUCKER ASSOCIATES CONSULTING ENGINEERS SAN RAFAEL, CA www.wmta.com	HILLSIDE DRILLING PT. RICHMOND, CA	<small>All drawings and reports are the property of WM Tucker Associates. No part of this drawing may be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying, recording, or by any information storage or retrieval system, without the prior written permission of WM Tucker Associates. Copyright © 2019, WM Tucker Associates, Inc.</small>	REVISIONS				SCALE: AS SHOWN	CRESTMOR CANYON SLOPE STABILIZATION SAN BRUNO, CA			
			REVISION	DATE	INITIALS	DESCRIPTION	DESIGNER	NET	SHEET CONTAINS PERMANENT RETAINING WALLS DETAILS	JOB # 10274 DRAWING NUMBER PW-4	REV 1
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			REV 1	1/6/2020	WET	REVISION PER OWNERS COMMENTS	DRAWN BY	NET			
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Slope Stabilization Plan



Slope Stabilization Plan



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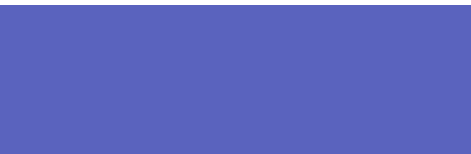
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NUMBER	DATE	INITIALS	DESCRIPTION
REV 0	12/16/2019	WET	INITIAL SUBMITTAL
REV 1	1/6/2020	WET	REVISION PER OWNERS COMMENTS

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DESIGNER:	NET
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CRESTMOR CANYON SLOPE STABILIZATION SAN BRUNO, CA	
PROJECT:	PERMANENT RETAINING WALLS
DRAWING NUMBER:	PW-6
DATE:	DEC 2019
REV:	1

COST ESTIMATE

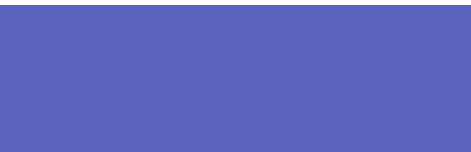




Preliminary Cost Estimates

Category of Work	Amount
Storm Drain Repair (Completed)	\$103,000
Slope Stabilization (Hillside Drilling)	\$580,000
Project Management (Cotton Shires)	\$ 70,000
Other Work:	
- <i>Paving and Sidewalk</i>	\$135,000
- <i>Additional Measures (Shotcrete)</i>	\$400,000
APPROXIMATE TOTAL	\$1,300,000

PRELIMINARY TIMELINE





Preliminary Timeline

▲ Storm Drain Repair

- Completed

▲ Slope Stabilization

- Ordered steel beams on January 8, 2020
- Mobilization January 22, 2020
- Potholing utilities January 23, 2020
- Estimated completion within March 2020, weather pending

Questions

